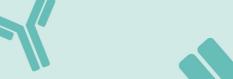
antibodies - online.com







anti-OLA1 antibody (Biotin)



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Background:

Quantity:	100 μL	
Target:	OLA1	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This OLA1 antibody is conjugated to Biotin	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Immunogen:	KLH conjugated synthetic peptide derived from human GTPBP9	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Purification:	Purified by Protein A.	
Target Details		
Target:	OLA1	
Alternative Name:	GTPBP9 (OLA1 Products)	

Synonyms: DNA damage-regulated overexpressed in cancer 45 protein, DOC45, GBP45, GTP-

binding protein 9 putative, GTP-binding protein 9, GTP-binding protein PTD004, homologous

Background: GTP-binding protein 9 is a 396 amino acid protein that belongs to the Obg-related

yeast-44.2 protein, Obg like ATPase 1, Obg-like ATPase 1, OLA1, OLA1_HUMAN, PTD004.

Target Details

GTPase family under the translation factors (TRAFAC) class. Originally thought to only have GTPase activity, Obg-related GTPase family members have been shown to also have ATPase activity. In Homo sapians, GTPBP9 exhibits a preference for binding ATP over GTP, with GTP binding occuring only at high nucleotide concentration. One cause for ATP affinity and GTP discrimination is thought to be a substitution of glutamine for a hydrophobic amino acid in Obgrelated family members, this is the same substitution that inactivates Ras-like GTPases.

GTPBP9 contains a C-terminal TGS domain that binds to ligands and an N-terminal G domain which binds nucleotides. GTPBP9 is expressed as three isoforms produced by alternative splicing.

Gene ID:

29789

Application Details

Application Notes: WB 1:300-5000

IHC-P 1:200-400

Restrictions: For Research Use only

Handling

Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20°C for 12 months.	
Expiry Date:	12 months	